

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents  
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REVOCATION OF POWER OF ATTORNEY  
WITH NEW POWER OF ATTORNEY  
AND CHANGE OF CORRESPONDENCE ADDRESS

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- Re: U.S. Patent No.: 6,754,180;** Issued: June 22, 2004  
**Title:** SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR  
SUPPORT OF BEARER PATH SERVICES IN A DISTRIBUTED  
CONTROL NETWORK
- U.S. Patent No.: 6,683,877;** Issued: January 27, 2004  
**Title:** CARRYING VOICE TRAFFIC OVER BROAD BAND NETWORKS
- U.S. Patent No.: 6,791,971;** Issued: September 14, 2004  
**Title:** METHOD AND APPARATUS FOR PROVIDING A COMMUNICATIONS  
SERVICE, FOR COMMUNICATION AND FOR EXTENDING PACKET  
NETWORK FUNCTIONALITY
- U.S. Patent No.: 6,687,251;** Issued: February 3, 2004  
**Title:** METHOD AND APPARATUS FOR DISTRIBUTED MTP LEVEL 2  
ARCHITECTURE
- U.S. Patent No.: 6,614,896;** Issued: September 2, 2003  
**Title:** ADVERTISING SYSTEM FOR CALLERS TO BUSY NUMBERS
- U.S. Patent No.: 6,678,264;** Issued: January 13, 2004  
**Title:** ESTABLISHING CONNECTIONS WITH A PRE-SPECIFIED QUALITY OF  
SERVICE ACROSS A COMMUNICATION NETWORK
- U.S. Patent No.: 6,885,658;** Issued: April 26, 2005  
**Title:** METHOD AND APPARATUS FOR INTERWORKING BETWEEN  
INTERNET PROTOCOL (IP) TELEPHONY PROTOCOLS
- U.S. Patent No.: 7,254,832;** Issued: August 7, 2007  
**Title:** FIREWALL CONTROL FOR SECURE PRIVATE NETWORKS WITH  
PUBLIC VOIP ACCESS

**U.S. Patent No.: 6,233,223;** Issued: May 15, 2001  
**Title:** CONTROL OF DISTRIBUTED ALLOCATION OF CHANNELS

**U.S. Patent No.: 6,785,840;** Issued: August 31, 2004  
**Title:** CALL PROCESSOR SYSTEM AND METHODS

**U.S. Patent No.: 6,832,254;** Issued: December 14, 2004  
**Title:** METHOD AND APPARATUS FOR ASSOCIATING AN END-TO-END CALL IDENTIFIER WITH A CONNECTION IN A MULTIMEDIA PACKET NETWORK

**U.S. Patent No.: 6,266,395;** Issued: July 24, 2001  
**Title:** SINGLE-ENDED SUBSCRIBER LOOP QUALIFICATION FOR XDSL SERVICE

**U.S. Patent No.: 6,611,585;** Issued: August 26, 2003  
**Title:** METHOD AND APPARATUS FOR INTELLIGENT RELEASE LINK TRUNK

**U.S. Patent No.: 7,233,980;** Issued: June 19, 2007  
**Title:** SYSTEM AND METHOD FOR DYNAMIC QUEUING IN AN AUTOMATIC CALL DISTRIBUTOR

**U.S. Patent No.: 6,757,732;** Issued: June 29, 2004  
**Title:** TEXT-BASED COMMUNICATIONS OVER A DATA NETWORK

**U.S. Patent No.: 6,694,153;** Issued: February 17, 2004  
**Title:** SERVICE CONTROL POINT LOCATION REGISTER FUNCTION

**U.S. Patent No.: 6,742,042;** Issued: May 25, 2004  
**Title:** METHOD AND APPARATUS OF PRESENTING TICKER INFORMATION

**U.S. Patent No.: 7,047,561;** Issued: May 16, 2006  
**Title:** FIREWALL FOR REAL-TIME INTERNET APPLICATIONS

**U.S. Patent No.: 6,772,210;** Issued: August 3, 2004  
**Title:** METHOD AND APPARATUS FOR EXCHANGING COMMUNICATIONS BETWEEN TELEPHONE NUMBER BASED DEVICES IN AN INTERNET PROTOCOL ENVIRONMENT

**U.S. Patent No.: 6,934,279;** Issued: August 23, 2005  
**Title:** CONTROLLING VOICE COMMUNICATIONS OVER A DATA NETWORK

**Serial No.: 11/210,084;** Filed: August 23, 2005  
**Title:** CONTROLLING VOICE COMMUNICATIONS OVER A DATA NETWORK

**U.S. Patent No.: 7,023,860; Issued: April 4, 2006**

**Title: COMMUNICATIONS NETWORK**

**U.S. Patent No.: 7,058,068; Issued: June 6, 2006**

**Title: SESSION INITIATION PROTOCOL BASED ADVANCED INTELLIGENT NETWORK/INTELLIGENT NETWORK MESSAGING**

**U.S. Patent No.: 6,882,721; Issued: April 19, 2005**

**Title: METHOD AND APPARATUS ENABLING LOCAL NUMBER PORTABILITY IN TELEPHONE NETWORKS**

**U.S. Patent No.: 6,421,674; Issued: July 16, 2002**

**Title: METHODS AND SYSTEMS FOR IMPLEMENTING A REAL-TIME, DISTRIBUTED, HIERARCHICAL DATABASE USING A PROXIABLE PROTOCOL**

**U.S. Patent No.: 7,274,783; Issued: September 25, 2007**

**Title: METHODS AND SYSTEMS FOR IMPLEMENTING A REAL-TIME, DISTRIBUTED, HIERARCHICAL DATABASE USING A PROXIABLE PROTOCOL**

**U.S. Patent No.: 7,146,410; Issued: December 5, 2006**

**Title: SYSTEM AND METHOD FOR EXECUTING CONTROL PROTOCOLS AMONG NODES IN SEPARATE IP NETWORKS**

**U.S. Patent No.: 6,888,839; Issued: May 3, 2005**

**Title: METHOD AND APPARATUS FOR TUNNELING OPERATING CODES TO AND FROM A CALL SERVER IN A PACKET NETWORK**

**U.S. Patent No.: 7,046,669; Issued: May 16, 2006**

**Title: COMMUNICATIONS NETWORK**

**U.S. Patent No.: 6,886,043; Issued: April 26, 2005**

**Title: COMMUNICATIONS NETWORK**

**U.S. Patent No.: 6,876,646; Issued: April 5, 2005**

**Title: COLLECTING INFORMATION BEFORE A CALL**

**U.S. Patent No.: 7,272,136; Issued: September 18, 2007**

**Title: DUAL TONE MULTI FREQUENCY SIGNAL DETECTION**

**U.S. Patent No.: 7,068,655; Issued: June 27, 2006**

**Title: NETWORK ADDRESS AND/OR PORT TRANSLATION**

**U.S. Patent No.: 6,987,765; Issued: January 17, 2006**

**Title: CHANGING MEDIA SESSIONS**

**U.S. Patent No.: 7,684,317**; Issued: March 23, 2010  
Title: PROTECTING A NETWORK FROM UNAUTHORIZED ACCESS

**Serial No.: 11/592,775**; Filed: November 3, 2006  
Title: PROTECTING A NETWORK FROM UNAUTHORIZED ACCESS

**Serial No.: 12/729,567**; Filed: March 23, 2010  
Title: PROTECTING A NETWORK FROM UNAUTHORIZED ACCESS

**U.S. Patent No.: 7,535,823**; Issued: May 19, 2009  
Title: METHOD AND SYSTEM FOR PROVIDING A SPARING MECHANISM IN  
A CIRCUIT-SWITCHED-TO-PACKET-SWITCHED INTERWORKING  
PERIPHERAL

**U.S. Patent No.: 7,408,928**; Issued: August 5, 2008  
Title: METHODS AND APPARATUS FOR SETTING UP TELEPHONY  
CONNECTIONS BETWEEN TWO ADDRESS DOMAINS HAVING  
OVERLAPPING ADDRESS RANGES

**U.S. Patent No.: 7,349,533**; Issued: March 25, 2008  
Title: TELEPHONY TRANSITIONING SYSTEM

**U.S. Patent No.: 6,993,595**; Issued: January 31, 2006  
Title: ADDRESS TRANSLATION CHANGE IDENTIFICATION

**U.S. Patent No.: 7,257,109**; Issued: August 14, 2007  
Title: DYNAMIC CALL CONTROL

**Serial No.: 10/164,524**; Filed: June 6, 2002  
Title: VOICE AND FAX OVER IP CALL ESTABLISHMENT IN A  
COMMUNICATIONS NETWORK

**U.S. Patent No.: 7,480,283**; Issued: January 20, 2009  
Title: VIRTUAL TRUNKING OVER PACKET NETWORKS

**U.S. Patent No.: 7,224,696**; Issued: May 29, 2007  
Title: ACCESS NODES IN PACKET-BASED COMMUNICATIONS NETWORKS

**U.S. Patent No.: 7,391,780**; Issued: June 24, 2008  
Title: METHOD AND APPARATUS FOR STATISTICAL PREDICTION OF  
ACCESS BANDWIDTH ON AN XDSL NETWORK

**U.S. Patent No.: 7,301,905**; Issued: November 27, 2007  
Title: OVERLOAD CONTROL SYSTEM AND METHOD FOR A  
TELECOMMUNICATIONS SYSTEM

**U.S. Patent No.: 7,107,061;** Issued: September 12, 2006  
**Title:** ADAPTIVE CALL GAPPING OVERLOAD CONTROL SYSTEM AND METHOD FOR A TELECOMMUNICATIONS SYSTEM

**U.S. Patent No.: 7,447,150;** Issued: November 4, 2008  
**Title:** AUTOMATED PATH RESTORATION FOR PACKET TELEPHONY

**U.S. Patent No.: 7,283,542;** Issued: October 16, 2007  
**Title:** NETWORK ADDRESS TRANSLATOR AND SECURE TRANSFER DEVICE FOR INTERFACING NETWORKS

**U.S. Patent No.: 7,213,143;** Issued: May 1, 2007  
**Title:** SECURITY OVER A NETWORK

**U.S. Patent No.: 7,313,131;** Issued: December 25, 2007  
**Title:** PROCESSING OF COMMUNICATION SESSION REQUEST MESSAGES

**U.S. Patent No.: 6,978,003;** Issued: December 20, 2005  
**Title:** ADAPTIVE CALL ROUTING FOR MULTIPLE TELEPHONY TERMINALS

**U.S. Patent No.: 7,386,604;** Issued: June 10, 2008  
**Title:** SIGNALING METHOD FOR COMMUNICATION NETWORKS

**Serial No.: 10/782,754;** Filed: February 23, 2004  
**Title:** DATA COMMUNICATION APPARATUS AND METHOD

**U.S. Patent No.: 7,640,319;** Issued: December 29, 2009  
**Title:** GATEWAY SHARED BY MULTIPLE VIRTUAL PRIVATE NETWORKS

**U.S. Patent No.: 7,313,145;** Issued: December 25, 2007  
**Title:** METHOD AND SYSTEM FOR ESTABLISHING PATHS BETWEEN END POINTS IN PACKET DATA NETWORKS

**Serial No.: 10/675,645;** Filed: September 30, 2003  
**Title:** MEDIA PROXY HAVING INTERFACE TO MULTIPLE VIRTUAL PRIVATE NETWORKS

**Serial No.: 10/674,141;** Filed: September 29, 2003  
**Title:** INTERNET TRUNKING PROTOCOL

**U.S. Patent No.: 7,715,537;** Issued: May 11, 2010  
**Title:** METERING IN PACKET-BASED TELEPHONY NETWORKS

**Serial No.: 12/772,702;** Filed: May 3, 2010  
**Title:** METERING IN PACKET-BASED TELEPHONY NETWORKS

**Serial No.: 10/723,835**; Filed: November 26, 2003  
Title: MESSAGING SERVICE INTERWORKING

**U.S. Patent No.: 7,580,994**; Issued: August 25, 2009  
Title: METHOD AND APPARATUS FOR ENABLING DYNAMIC SELF-  
HEALING OF MULTI-MEDIA SERVICES

**Serial No.: 10/599,088**; Filed: September 19, 2006  
Title: COMMUNICATING PROCESSING CAPABILITIES ALONG A  
COMMUNICATIONS PATH

**Serial No.: 11/452,743**; Filed: June 14, 2006  
Title: SELECTIVE CALL ANCHORING IN A MULTIMEDIA SUBSYSTEM

**Serial No.: 11/911,631**; Filed: October 15, 2007  
Title: MULTIPLE ACCESS SERVICE CONVERGENCE

**U.S. Patent No.: 7,512,118**; Issued: March 31, 2009  
Title: CODEC NEGOTIATION CONSIDERING QUALITY AND COSTS

**Serial No.: 11/466,115**; Filed: August 22, 2006  
Title: MULTIMEDIA SUBSYSTEM SERVICE CONTROL FOR CIRCUIT-  
SWITCHED SUBSYSTEM CALLS

**Serial No.: 11/522,732**; Filed: September 18, 2006  
Title: ENHANCED SECURITY FOR MULTIMEDIA DOMAIN (MMD) NETWORK  
WITH HOME AND VISITED NETWORK SERVICE CONTROL

**Serial No.: 11/482,236**; Filed: June 30, 2006  
Title: SMS DELIVERY OVER A MULTIMEDIA SUBSYSTEM

**Serial No.: 11/462,182**; Filed: August 3, 2006  
Title: LOCATION CHANGE DETECTION FOR EMERGENCY SERVICES

**Serial No.: 11/589,435**; Filed: October 30, 2006  
Title: PROVIDING A CAPABILITY LIST OF A PREDEFINED FORMAT IN A  
COMMUNICATIONS NETWORK

**Serial No.: 11/360,432**; Filed: February 24, 2006  
Title: METHOD AND COMMUNICATION NETWORK COMPONENTS FOR  
MANAGING MEDIA SIGNAL QUALITY

**Serial No.: 11/554,930**; Filed: October 31, 2006  
Title: NETWORK DOMAIN SELECTION IN THE HSS

**Serial No.: 11/651,427**; Filed: January 9, 2007

Title: DYNAMIC EVENTS SCHEDULING IN A RESOURCE LIMITED ENVIRONMENT

**Serial No.: 11/563,306**; Filed: November 27, 2006

Title: MULTIMEDIA SUBSYSTEM CONTROL FOR INTERNET PROTOCOL BASED TELEVISION SERVICES

**Serial No.: 11/425,436**; Filed: June 21, 2006

Title: METHOD AND APPARATUS FOR IDENTIFYING AND MONITORING VOIP MEDIA PLANE SECURITY KEYS FOR SERVICE PROVIDER LAWFUL INTERCEPT USE

**Serial No.: 11/536,921**; Filed: September 29, 2006

Title: ENTERPRISE MOBILITY

**Serial No.: 11/616,679**; Filed: December 27, 2006

Title: VOICE CONTINUITY AMONG USER TERMINALS

**U.S. Patent No.: 7,649,881**; Issued: January 19, 2010

Title: PINNING THE ROUTE OF IP BEARER FLOWS IN A NEXT GENERATION NETWORK

**Serial No.: 11/839,861**; Filed: August 16, 2007

Title: METHOD AND APPARATUS FOR TIME ALIGNMENT ALONG A MULTI-NODE COMMUNICATION LINK

**Serial No.: 12/151,683**; Filed: May 8, 2008

Title: ENHANCED MEDIA GATEWAY

**Serial No.: 12/172,562**; Filed: July 14, 2008

Title: METHOD FOR IMPROVING SUBSCRIBER DATA INTEGRITY IN AN IMS NETWORK

**Serial No.: 11/961,933**; Filed: December 20, 2007

Title: CONTROLLING SERVICES IN A CIRCUIT-SWITCHED NETWORK FROM A PACKET NETWORK

**Serial No.: 12/157,677**; Filed: June 12, 2008

Title: SYSTEM AND METHOD FOR CORRECT ROUTING AND ENFORCEMENT POLICY IN A NETWORK HAVING ADDRESS OR PORT TRANSLATION

**Serial No.: 12/343,328**; Filed: December 23, 2008

Title: MEDIA SHARING

**Serial No.: 12/209,829**; Filed: September 12, 2008

Title: ADDING A SERVICE CONTROL CHANNEL AFTER SESSION ESTABLISHMENT

**Serial No.: 12/316,550**; Filed: December 12, 2008

Title: DYNAMICALLY BINDING A LOGIC COMPONENT TO A PROCESSING POINT IN A SOFTWARE EXECUTION FLOW

**Serial No.: 12/333,678**; Filed: December 12, 2008

Title: CONTENT OVERLAYS IN ON-DEMAND STREAMING APPLICATIONS

**U.S. Patent No.: 6,643,297**; Issued: November 4, 2003

Title: NETWORK SERVICE PROVIDER ARCHITECTURE IN COMMUNICATIONS NETWORK

**U.S. Patent No.: 7,649,883**; Issued: January 19, 2010

Title: NETWORK SERVICE PROVIDER ARCHITECTURE IN COMMUNICATIONS NETWORK

**U.S. Patent No.: 6,778,503**; Issued: August 17, 2004

Title: AUTOMATED LINE SIGNAL PROCESSING

**U.S. Patent No.: 6,778,494**; Issued: August 17, 2004

Title: LABEL SWITCHED MEDIA GATEWAY AND NETWORK

**U.S. Patent No.: 6,728,783**; Issued: April 27, 2004

Title: INTELLIGENT NETWORK

**U.S. Patent No.: 6,424,635**; Issued: July 23, 2002

Title: ADAPTIVE NONLINEAR PROCESSOR FOR ECHO CANCELLATION

**U.S. Patent No.: 5,295,183**; Issued: March 15, 1994

Title: CONGESTION CONTROL SYSTEM FOR TELECOMMUNICATIONS

**U.S. Patent No.: 6,026,356**; Issued: February 15, 2000

Title: METHODS AND DEVICES FOR NOISE CONDITIONING SIGNALS REPRESENTATIVE OF AUDIO INFORMATION IN COMPRESSED AND DIGITIZED FORM

**U.S. Patent No.: 5,913,187**; Issued: June 15, 1999

Title: NONLINEAR FILTER FOR NOISE SUPPRESSION IN LINEAR PREDICTION SPEECH PROCESSING DEVICES

**U.S. Patent No.: 6,011,846**; Issued: January 4, 2000

Title: METHODS AND APPARATUS FOR ECHO SUPPRESSION



**U.S. Patent No.: 6,665,402;** Issued: December 16, 2003  
Title: METHOD AND APPARATUS FOR PERFORMING ECHO CANCELLATION

**U.S. Patent No.: 6,269,100;** Issued: July 31, 2001  
Title: CHANNEL TRANSFER WITH RETRIEVE

**U.S. Patent No.: 6,144,671;** Issued: November 7, 2000  
Title: CALL REDIRECTION METHODS IN A PACKET BASED COMMUNICATIONS NETWORK

**U.S. Patent No.: 6,636,522;** Issued: October 21, 2003  
Title: CALL REDIRECTION METHODS IN A PACKET BASED COMMUNICATIONS NETWORK

**U.S. Patent No.: 6,337,858;** Issued: January 8, 2002  
Title: METHOD AND APPARATUS FOR ORIGINATING VOICE CALLS FROM A DATA NETWORK

**U.S. Patent No.: 6,141,342;** Issued: October 31, 2000  
Title: APPARATUS AND METHOD FOR COMPLETING INTER-SWITCH CALLS USING LARGE TRUNK GROUPS

**U.S. Patent No.: 7,269,167;** Issued: September 11, 2007  
Title: DIRECT END-OFFICE TRUNKING

**U.S. Patent No.: 6,167,126;** Issued: December 26, 2000  
Title: METHOD FOR FLEXIBLY PROVISIONING SWITCHING DEVICES AND A SWITCHING DEVICE INCORPORATING THE SAME

**U.S. Patent No.: 6,088,328;** Issued: July 11, 2000  
Title: SYSTEM AND METHOD FOR RESTORING FAILED COMMUNICATION SERVICES

**U.S. Patent No.: 6,359,979;** Issued: March 19, 2002  
Title: ENHANCED CALL ROUTING IN COMPETITIVE LOCAL TELEPHONE NETWORKS

**U.S. Patent No.: 6,611,533;** Issued: August 26, 2003  
Title: PUBLIC TELEPHONE NETWORK, INTELLIGENT NETWORK, AND INTERNET PROTOCOL NETWORK SERVICES INTERWORKING

**U.S. Patent No.: 6,529,524;** Issued: March 4, 2003

Title: COMPUTER PROGRAM PRODUCTS, METHODS, AND PROTOCOL FOR INTERWORKING SERVICES BETWEEN A PUBLIC TELEPHONE NETWORK, INTELLIGENT NETWORK, AND INTERNET PROTOCOL NETWORK

**U.S. Patent No.: 6,445,695;** Issued: September 3, 2002

Title: SYSTEM AND METHOD FOR SUPPORTING COMMUNICATIONS SERVICES ON BEHALF OF A COMMUNICATIONS DEVICE WHICH CANNOT PROVIDE THOSE SERVICES ITSELF

**U.S. Patent No.: 6,654,452;** Issued: November 25, 2003

Title: METHOD AND APPARATUS IN A COMMUNICATIONS SYSTEM FOR DYNAMIC CALL REJECTION

**U.S. Patent No.: 6,452,922;** Issued: September 17, 2002

Title: METHOD AND APPARATUS FOR FALLBACK ROUTING OF VOICE OVER INTERNET PROTOCOL CALL

**U.S. Patent No.: 7,515,583;** Issued: April 7, 2009

Title: METHOD AND APPARATUS FOR PROVIDING A CONFIGURABLE QUALITY OF SERVICE THRESHOLD FOR VOICE OVER INTERNET PROTOCOL

**U.S. Patent No.: 6,243,449;** Issued: June 5, 2001

Title: MASS CALLING EVENT DETECTION AND CONTROL

**U.S. Patent No.: 7,619,994;** Issued: November 17, 2009

Title: ADAPTER FOR USE WITH A TANDEM-FREE CONFERENCE BRIDGE

#### REVOCATION OF PREVIOUS POWERS OF ATTORNEY

The undersigned Assignee hereby revokes all previous powers of attorney executed and/or filed in connection with the above-identified patent and patent applications and the transaction of all business in the Patent and Trademark Office connected therewith.

#### POWER OF ATTORNEY

The undersigned Assignee hereby appoints the practitioners associated with Customer Number **25297** to prosecute the above-identified patent and patent

applications and any re-issues thereof and to transact all business in the Patent and Trademark Office connected therewith.

CHANGE OF ADDRESS

Please change the correspondence address for the above-identified patent and patent applications to the address associated with Customer Number **25297**, directing all correspondence and phone calls to Gregory A. Hunt according to the below-listed information:

Gregory A. Hunt  
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ASSIGNEE SIGNATURE

The undersigned is the Assignee of record of the entire interest in the above referenced patent and patent applications. A Statement under 37 CFR 3.73(b) is enclosed.

GENBAND US LLC



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Shauna Martin  
Executive Vice-President and General Counsel  
(972) 521-5800

This, the <sup>12<sup>th</sup></sup> day of November, 2010.